

Abstract

A panel type speaker according to the present invention includes an exciter having bimorph type beams which are made of a piezoelectric material and in each of which a flexural oscillation is excited, and a beam holding part for holding the beams, and a diaphragm which is attached to the exciter to generate a flexural oscillation based on oscillation transmitted from the exciter and serves as a transparent protective plate for a display. A bottom surface of the beam holding part of the exciter has an area which is greater than or equal to one-fourth of an area of the largest beam of the beams, and is fixed to a surface of the diaphragm so that the exciter is held on the diaphragm. The panel type speaker has high excitation efficiency and a simple structure, making it easy to add an acoustic characteristic regulating mechanism.